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===== WPI =====

- TI - Moulding of recording disc e.g. compact, photo-electro-magnetic, optical, and laser etc. - by introducing material gas containing hydrocarbon as principal component to back side of positioned stamper, fixing stamper on specified support surface in moulding cavity, and injecting resin into cavity
- AB - J10202668 The moulding method comprises (i) positioning a stamper used as a moulding matrix in a film forming vacuum chamber, (ii) introducing a material gas containing hydrocarbon as a principal component to the back side of the stamper so as to cover the back surface (8) of the stamper by a diamond-like thin film by a deposition process, (iii) fixing the stamper (1) on a stamper supporting surface in a moulding cavity (7), and (iv) injecting a resin in the cavity (7).
- USE - The method is suitable for moulding a recording disc such as a compact disc, a photo-electro-magnetic disc, an optical disc, a laser disc, etc..
- ADVANTAGE - The life of a stamper is improved remarkably.
- (Dwg.1/2)
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- PR - JP19880170849 19880711;JP19980016317 19880711
- PA - (DENK) TDK CORP
- MC - A11-B12A A12-E08A2 A12-L03C G02-A05 G06-D07 L03-B05B
- T03-B01D1 T03-B01E3G W04-C01E
- DC - A32 A89 G06 L03 T03 W04
- IC - B29C33/30 ;B29C33/42 ;B29C45/26 ;B29L17/00 ;G11B3/70 ;G11B7/26
- AN - 1998-475566 [41]

===== PAJ =====

- TI - MOLDING METHOD FOR RECORDING DISK
- AB - PROBLEM TO BE SOLVED: To use a stamper of long life for molding and mold by introducing a raw material gas composed of hydrocarbon gas, as a main component, ionizing the same, carrying out the deposit separation on the back of the stamper to form a diamond-shaped film to be coated thereon, supporting the stamper in a molding die cavity and injecting resin.
- SOLUTION: A diamond shaped film is formed on the back 8 of a stamper in an ordinary film manufacturing device. As the diamond-shaped film is formed on the back 8 of the stamper 1 of a molding die, the life of the stamper 1 can be prolonged to a large extent. Also as it is hard to form marks on the stamper 1, characteristics of a matrix surface of the stamper 1 are hard to be lowered, and the quality of a disk to be molded is good for a long time. Thus the stamper 1 of low wear resistance and low friction resistance is manufactured to achieve the realization of long life of the stamper 1, and a number of disks can be manufactured by one stamper 1 to achieve the reduction of the molding cost to a large extent.
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- PA - TDK CORP
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- I - B29C33/30 ;B29C33/42 ;B29C45/26 ;G11B7/26
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